

March 3, 1947.

Dear Francis:

S-30,300 (I think) was tested here by Laura Garnjobst, and seemed OK in her hands. It's being done again, and we'll let you know. In the meantime, Ed can only suggest getting it from Srb or reisolating from spores.

How's the furfural coming?

The reference on mutations for arabinose fermentation is Christensen, in Acta Path et Microbiol Scand, 1941. Unfortunately I left my note-card in the book when I returned it. The title is ...'Mutations fermentatives'....?

In re growth response curves like

the hypothesis I suggested last week is needlessly complex; this response is reminiscent of Fig. 3 of R&L '46, implying that the mutant can specifically inhibit the prototroph. The alternative hypothesis, that the mutant produces an inhibitor active both on the mutant and on the prototroph, but reversible by histidine, would give a similar growth response, but is ruled out for Neurospora by the fate of genetic markers in heterocaryo. Plating small numbers of cells into H- and H+ media should tell the story,

Best regards

Yours sincerely,

